

FIG. 1 is a schematic diagram of a network system 100. The system 100 includes a central cloud 101 connected to various components. On the left, a group of desktop computers 107 is connected to a hub 103, which is linked to the cloud 101 via a router 109. On the right, another group of desktop computers 107 is connected to a hub 104, which is linked to the cloud 101 via a router 109. The cloud 101 is also connected to an Internet Service Provider (ISP) 106, which in turn connects to a Public Switched Telephone Network (PSTN) 108. A mobile phone 107 is connected to the PSTN 108 via a radio link. Additionally, a server 111 is connected to the cloud 101 via a router 109. The entire system 100 is shown within a dashed boundary.

FIG. 1

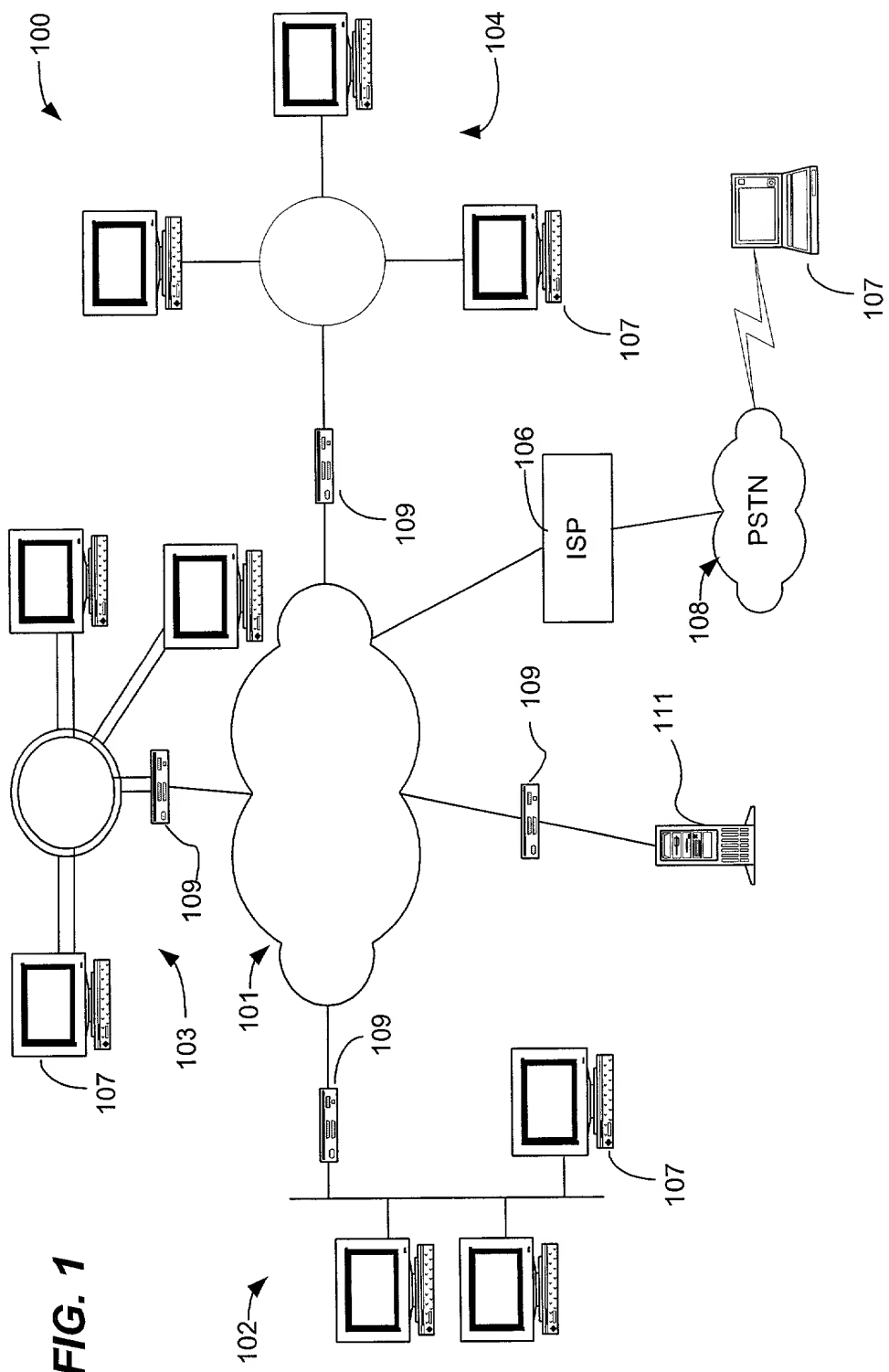




FIG. 2

FIG. 3 is a block diagram of a network system 205. The system 205 includes a client 305, a network 101, and a web server 210. The client 305 includes a browser 303, a TCP/IP stack 303, and a resolver 301. The network 101 includes DNS servers DNS_A 307, DNS_B 307, and DNS_C 307. The web server 210 is connected to the network 101. The resolver 301 is connected to the browser 303 and the TCP/IP stack 303. The browser 303 is connected to the network 101. The TCP/IP stack 303 is connected to the network 101. The network 101 is connected to the web server 210. The network 101 is also connected to DNS_A 307, DNS_B 307, and DNS_C 307. DNS_C 307 is connected to a redirector 309. The redirector 309 is connected to the network 101.

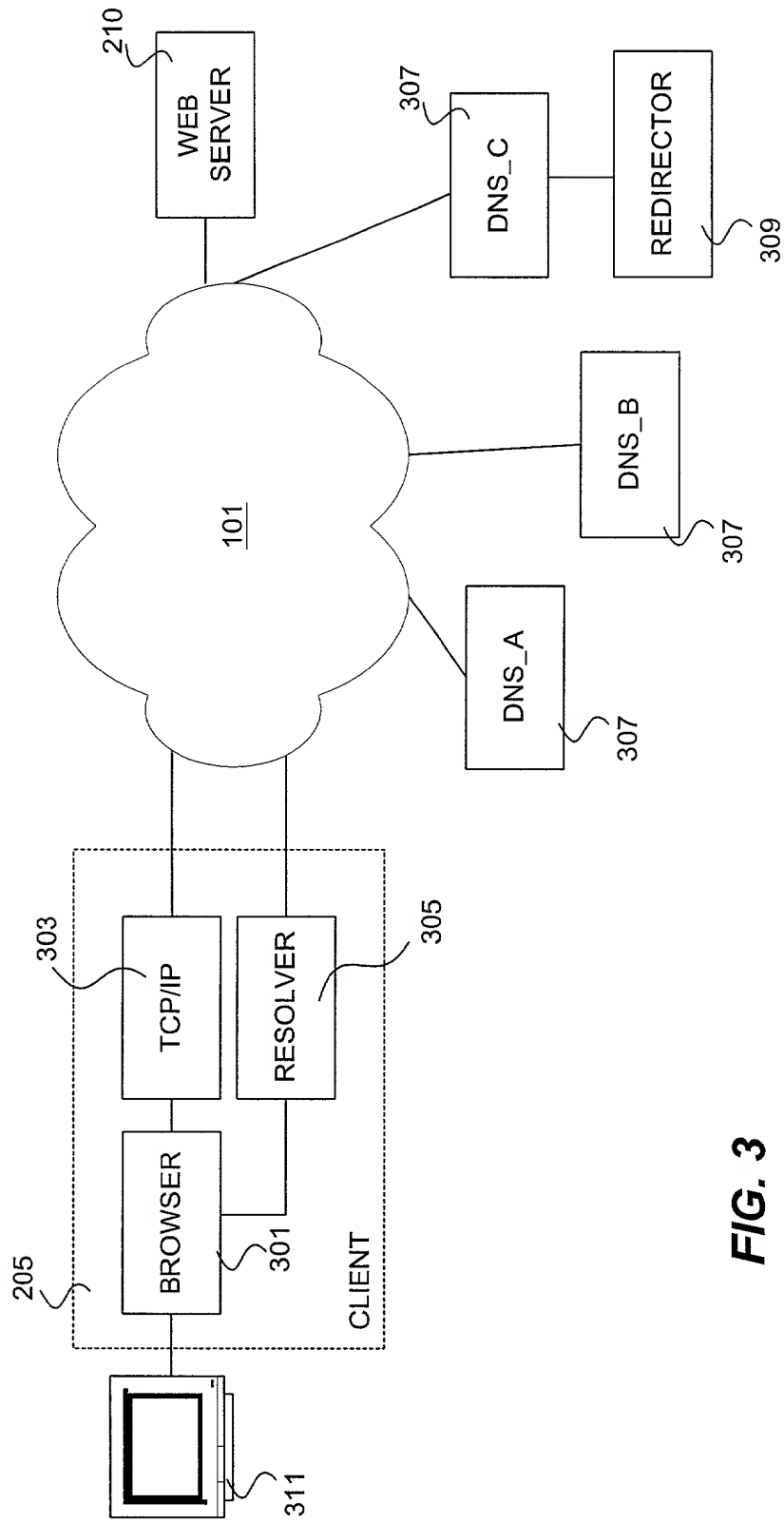
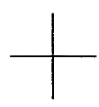


FIG. 3

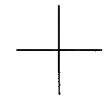


FIG. 4 is a block diagram of a system architecture for a network device. The system includes a user interface (205) connected to a network device (201). The network device (201) is divided into a front end (402) and a back end (403). The front end (402) includes an HTTP REASSEMBLER (401), a TCP (401), an HTTP PARSER (402), and a DATA FILTER (406). The back end (403) includes a CACHE (403), a DATA BLENDER (404), and a TMP (405). The system also includes a FRONT END MGR (207) and a network connection (202).

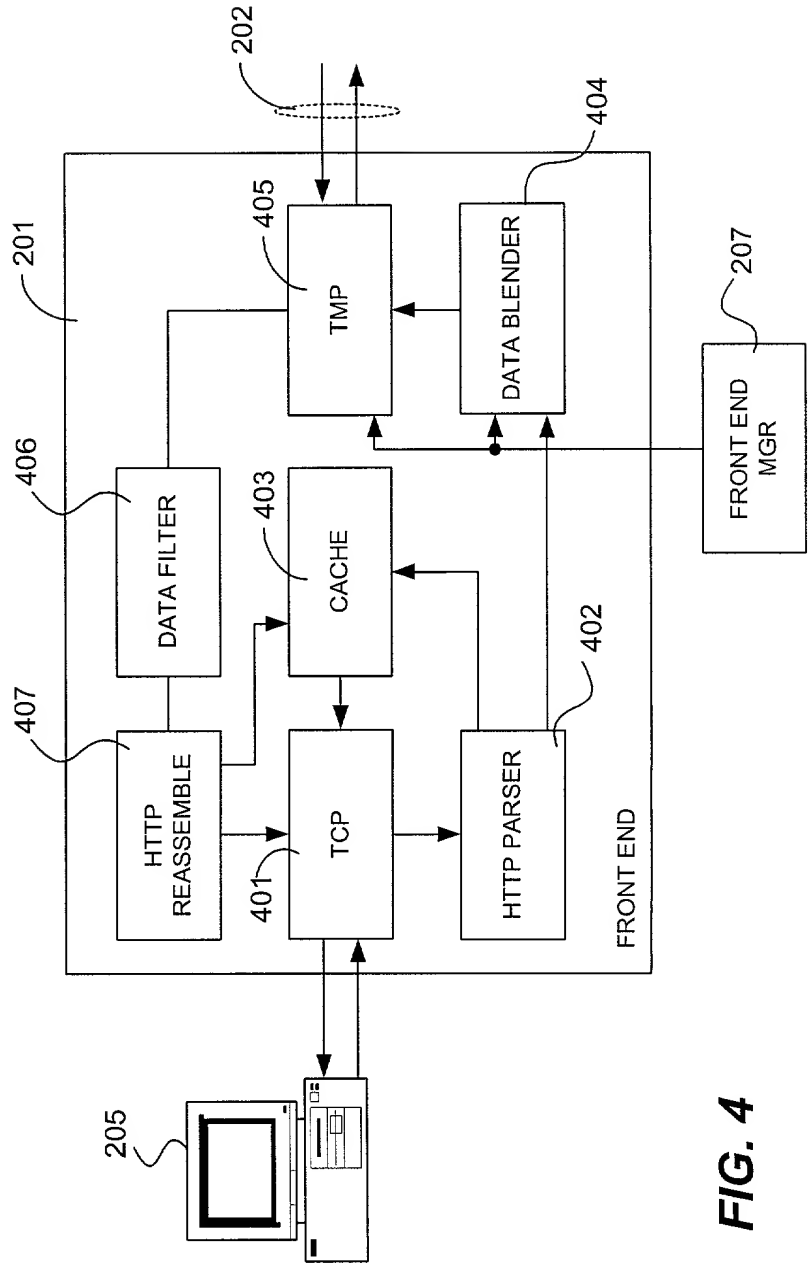


FIG. 4

FIG. 5 is a block diagram of a system architecture for a network device. The system includes a BACK END MGR (209) connected to a DATA BLENDER (504). The DATA BLENDER (504) is connected to a TMP (505). The TMP (505) is connected to a DATA FILTER (506). The DATA FILTER (506) is connected to an HTTP REASSEMBLE (507). The HTTP REASSEMBLE (507) is connected to a TCP (501). The TCP (501) is connected to an HTTP_PARSER (502). The HTTP_PARSER (502) is connected to the BACK END MGR (209). The system also includes a network interface (202) connected to the TCP (501) and a server (210) connected to the TCP (501). The system is labeled as a BACK END (203).

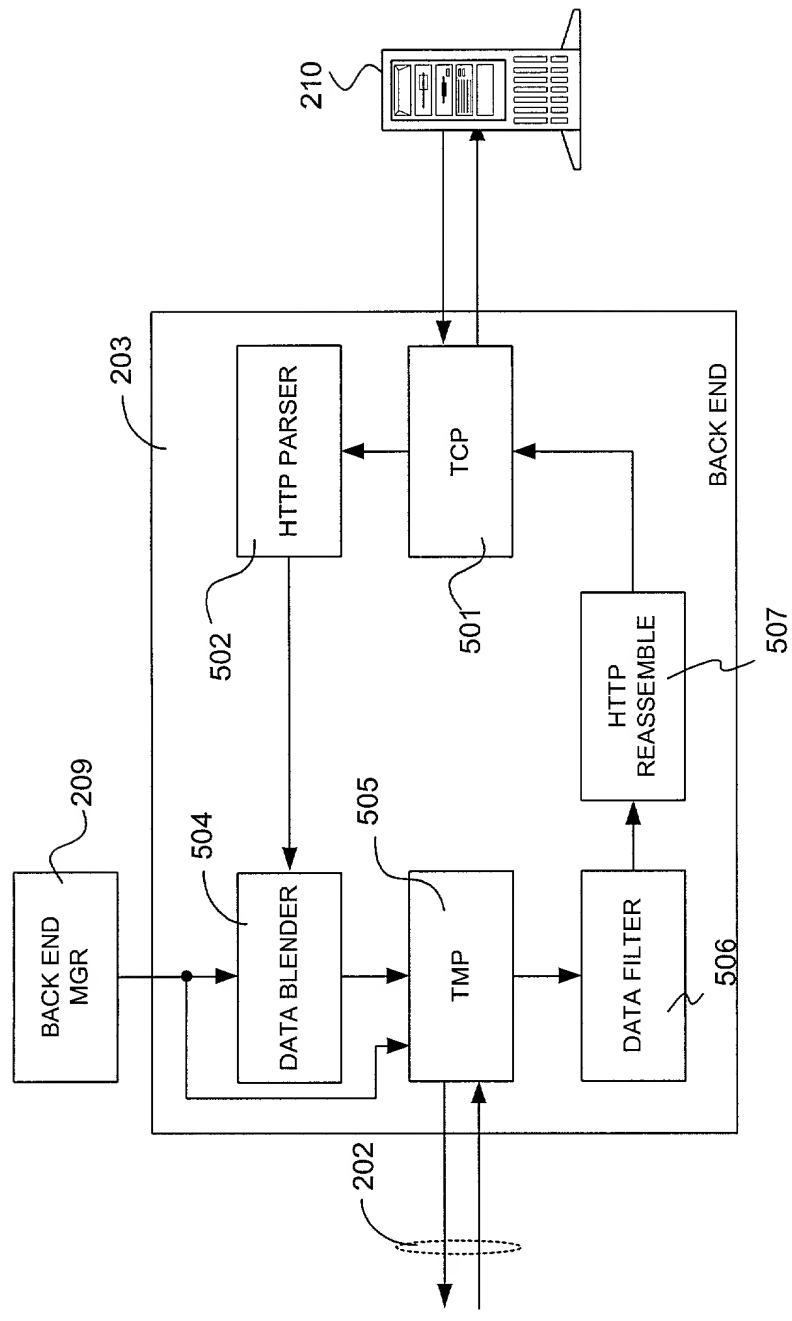
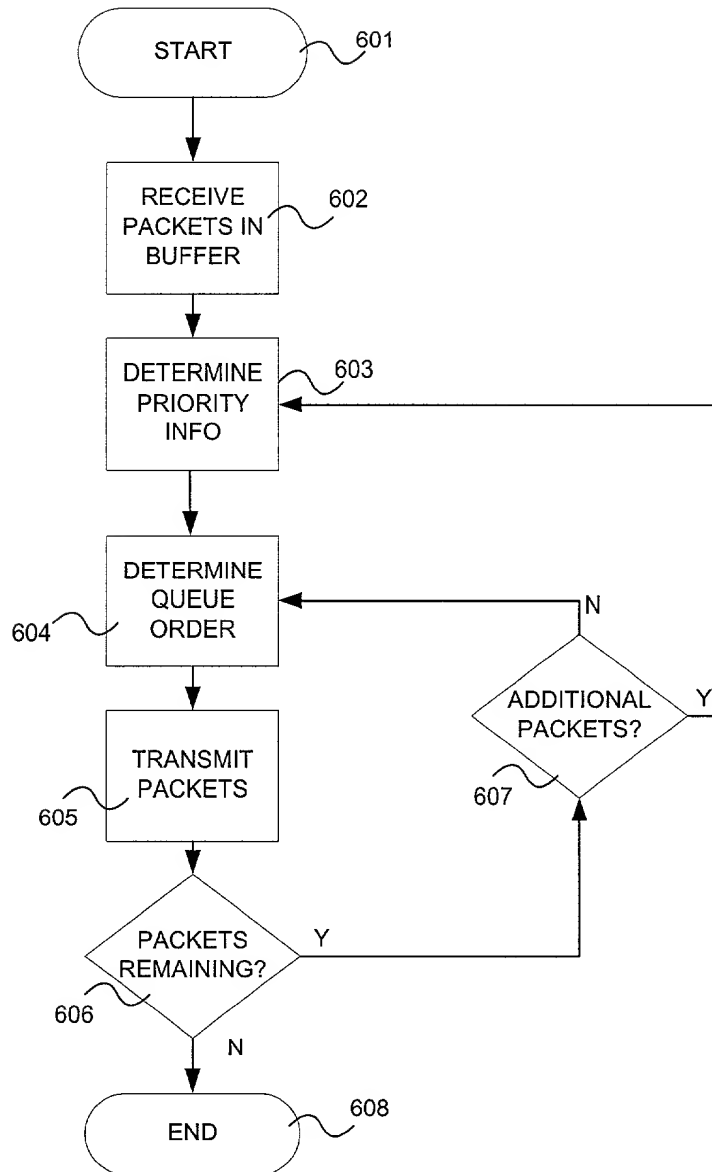
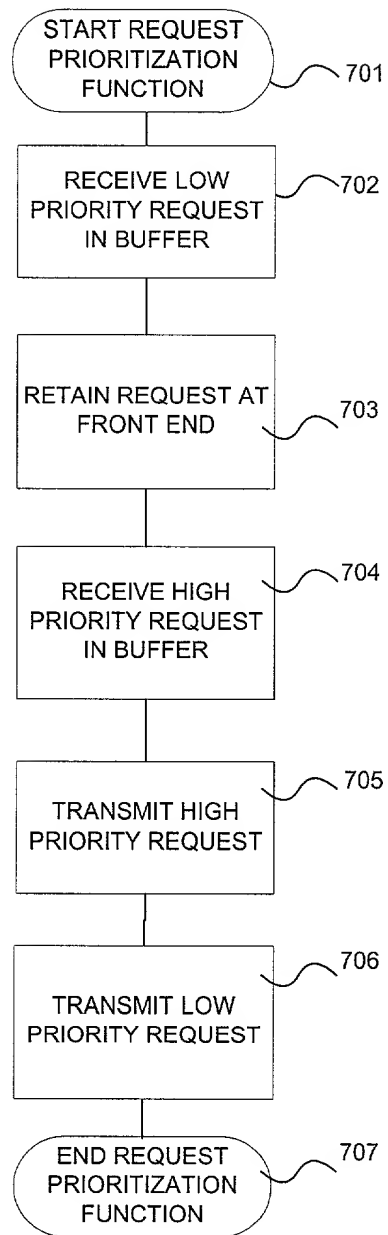


FIG. 5

**FIG. 6**

**FIG. 7**

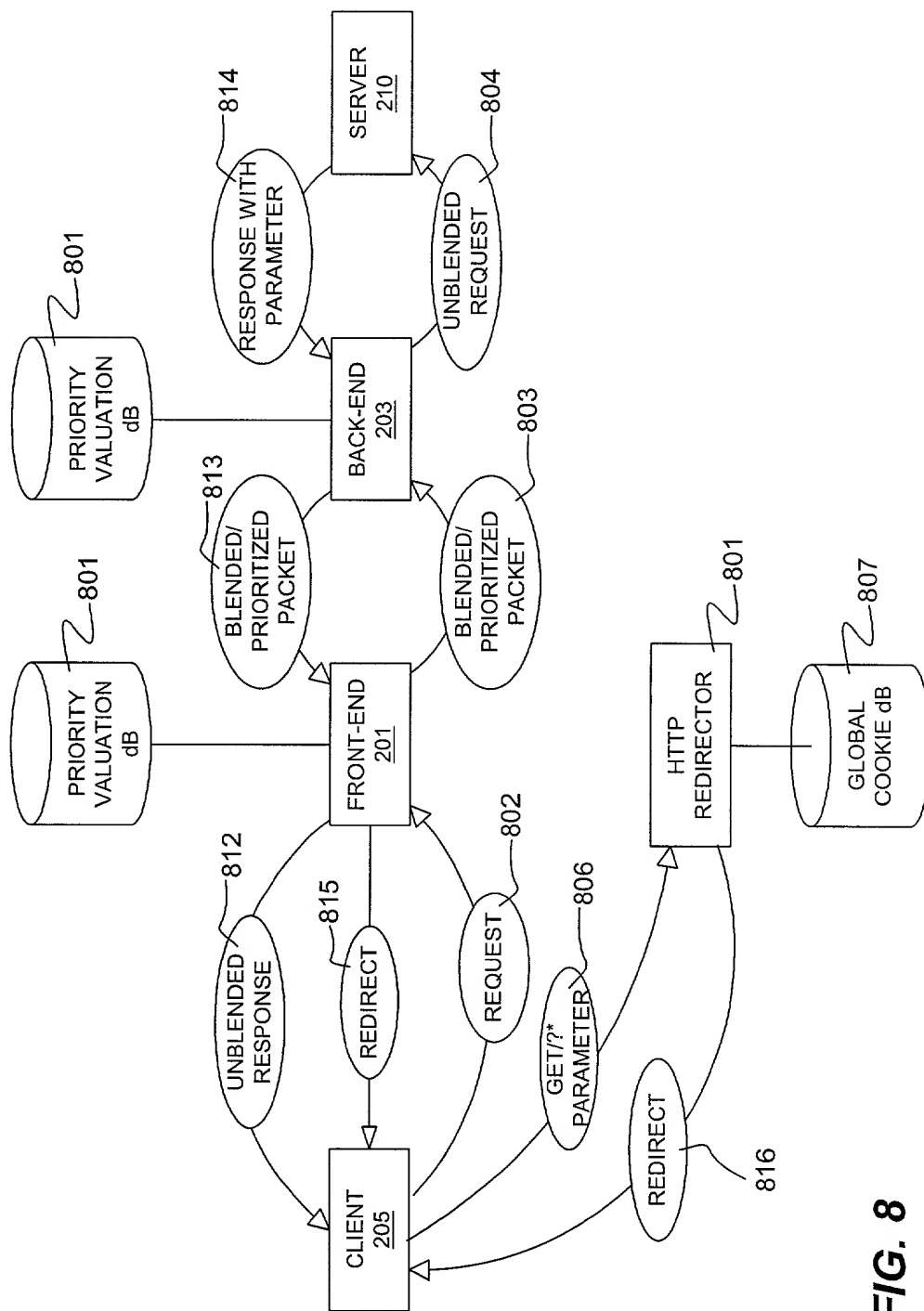


FIG. 8